## IOWA DEPARTMENT OF NATURAL RESOURCES WATER SUPPLY SECTION CONSTRUCTION PERMIT APPLICATION

SCHEDULE-2a, Water Mains, General

Date Prepared		Project Identity						
Date Revised								
1. Give the purpose of the project (e.g., expand service area, improve system pressures or flows)								
2. Does the system Source, Treatment and Storage have adequate reserve capacity to serve the additional demand that will result from the proposed water main? Yes No No N/A							emand that will result from the	
	If No, Explain =>							
3.	Proposed Piping Inventory:							
	Material (Designate Alternates)	AWWA or ASTM Standard	Pipe Class	Pipe Pressure Rating (psi)	Maximum System Pressure (psi)	Nominal Diameter (inches)	Length of Water Main (feet)	
<ol> <li>4.</li> <li>5.</li> </ol>	If Yes =>, can adequate fire flows be provided to <i>these</i> hydrants:  a. while maintaining a pressure of 20 psi at the fire hydrants? Yes No b. without causing pressures of less than 20 psi <i>To Develop</i> within the system? Yes No c. source of pressure data:  d. minimum size of water main serving fire inches hydrant?  e. minimum size of fire hydrant lead: inches  f. are all hydrant leads valved? Yes No							
	the <u>proposed</u> project: Commercial	et: Industrial				Residential		
6.	Minimum depth of cover from the springline of the pipe: feet.							
7.	Number of dead ends created: ; eliminated:							
8.	Does each water main dead end have a fire hydrant, flushing hydrant or blow off for flushing purposes? Yes \( \subseteq \text{No} \subseteq \text{N/A} \subseteq \text{N/A} \subseteq							
10.	10. Is there a history of corrosive problems with buried pipes in the project area? Yes No If Yes => explain corrosion protection measures:							
11.	1. Are approved Standard Specifications being used on this project? Yes No							
	If Yes => Approved Standard Specifications of (Municipality or firm)  Date Approved  If No, Schedule 2b must also accompany this application.							
	<b>NOTE:</b> If the applicant for this Construction Permit is someone other than the supplier of water (the water utility), a properly executed <i>Water Supply Service Agreement (DNR Form 53)</i> must accompany this application.							
	<b>NOTE:</b> If this is a joint Water –Wastewater project, a construction permit application should be submitted separately to the Wastewater Permits Section of the Iowa Department of Natural Resources.							

**DNR** form 12-2a (R 04-04) 542-3030